

DISCUSSION DRAFT
NOT APPROVED BY THE DELTA STEWARDSHIP COUNCIL
SUBJECT TO CHANGE

TIMELINE OF MAJOR CONVEYANCE, STORAGE, AND OPERATIONS ACTIVITIES

Year	Event	Applicability to:		
		Conveyance	Storage	Operations
1923	O'Shaughnessy Dam (Hetch Hetchy Reservoir) completed.		✓	
1929	Pardee Dam completed.		✓	
	Mokelumne aqueduct completed.	✓		
1931	State Engineer Edward Hyatt created the California State Water Plan. The plan called for construction of 420 foot dam at the town of Kennett (now in the middle of Shasta Lake) and addressed conveyance from Sacramento River Basin to supplement water supplies in the San Joaquin River Basin.	✓	✓	✓
1933	State authorized \$170 million to construct the Central Valley Project (CVP).	✓	✓	✓
1935	U.S. Bureau of Reclamation (Reclamation) authorized the Central Valley Project (CVP) which included Kennett (Shasta), Friant, and Contra Costa (Delta) divisions.	✓		
1942	Friant Dam completed.		✓	
1945	Shasta Dam completed.		✓	
	Madera Canal completed.	✓		
1948	Contra Costa Canal completed.	✓		
1950	Sacramento Canals unit of the CVP authorized.	✓		
1951	Delta Cross Channel, Delta-Mendota Canal and Friant-Kern Canal completed.	✓		
1956	Folsom Dam completed.		✓	
1957	California State Water Plan proposed a West Canal on the west side of Sacramento Valley, through the North Delta.	✓		
1959	Corning Canal (east canal system) construction completed.	✓		
1960	Burns-Porter Act passed creating the State Water Project (SWP); the Act authorized Delta facilities for water conservation, water supply in the Delta, transfer water across the Delta, flood and salinity control.	✓	✓	✓
1962	South Bay Aqueduct and North Bay Aqueduct (Phase 1) completed.	✓		✓
1964	Red Bluff Diversion Dam completed.		✓	
1965	The Interagency Delta Commission recommended the peripheral canal.	✓		
1969	Department of the Interior adopted Reclamation's Peripheral Canal Feasibility Report.	✓		
1973	Delta Environmental Advisory Committee concluded that the peripheral canal, properly designed and operated, was necessary to protect the Delta.	✓		
1975	California Department of Water Resources (DWR) considered alternative water transfer facilities in Bulletin 76.	✓		✓

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1978	Water Rights Decision 1485 adopted by the State Water Resources Control Board (Water Board) - the Decision ordered the CVP and the SWP to guarantee certain conditions for water quality protection for multiple beneficial uses.			✓
	Water Quality Control Plan for Sacramento-San Joaquin Delta and Suisun Marsh released.			✓
1979	New Melones Dam completed.		✓	
1980	Legislature / Governor signed Senate Bill 200 authorizing the peripheral canal.	✓		
	Tehama Colusa Canal (west canal system) construction completed.	✓		
1982	Proposition 9, which would have authorized Senate Bill 200, defeated.	✓		
1983	Alternatives for Delta Water Transfer published by DWR.			✓
1984	The Deukmejian Administration proposed a new, shorter canal to take Sacramento water to existing channels in the central and south Delta. The Legislature never approved the proposal, commonly called "Duke's Ditch."	✓		
1986	Coordinated Operations Agreement of the SWP and the CVP signed which formalized 1970's annual agreements between the two projects for integrated operations as well as developed a common allocation model – the California Water Resources Simulation Model, CALSIM.	✓	✓	✓
1988	North Bay Aqueduct (Phase 2) completed.	✓		✓
1991	Central Valley Project Improvement Act Passed – protecting Salmon and Striped Bass.	✓	✓	✓
1993	Delta smelt are listed as a threatened species under the Endangered Species Act (ESA) by both State and federal agencies.			✓
1994	Delta Accord signed – CALFED began.			✓
1995	Bay-Delta Water Quality Control Plan adopted by the Water Board and becomes the basis for Decision 1641.			✓
1997	Los Vaqueros Project completed.		✓	
	The Kern Water Bank began operating under a Habitat Conservation Plan/Natural Community Conservation Plan executed by the Kern Water Bank Authority.	✓	✓	✓
1998	The CALFED Bay Delta Program developed three alternatives for moving water through or around the Delta as well as plans for ecosystem restoration, a multi-species habitat conservation plan, a levee repair strategy, and reservoir planning.	✓	✓	✓

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1999	Water Board Water Right Decision 1641 amended water right licenses and permits for the CVP and SWP to assure protection of beneficial uses in the Delta and grants DWR and Reclamation Joint Point of Diversion capabilities.	✓		✓
	Diamond Valley Lake dams (West Dam, East Dam and Saddle Dam) completed.		✓	
2000	CALFED approved and began to consider Alternative Conveyance (peripheral canal) if alternate measures fall through.	✓		
2000	CALFED Bay-Delta Program Final Programmatic Environmental Impact Report/Environmental Impact Statement and Record of Decision released established a preferred program alternative for a through-Delta approach to conveyance.			✓
2001	Joint DWR and Bay Delta Authority planning study to evaluate in-Delta storage options released.		✓	
2002	The Integrated Storage Investigation developed <i>North of the Delta Offstream Storage Investigation</i> report which outlined the development of a new reservoir (Sites Reservoir).		✓	
	DWR issued the CALFED Surface Storage Investigations Progress Report to provide information on the status of ongoing CALFED surface storage investigations		✓	
2004	Long-Term CVP Operations Criteria and Plan released by Reclamation.			✓
	In-Delta Storage Program State Feasibility Study released by DWR and California Bay-Delta Authority (Supplemental Report released in 2006).		✓	
2005	Final Revised Water Quality Control Plan from DWR and Reclamation released.			✓
2006	A steering committee was formed to prepare an approach for developing the Bay Delta Conservation Plan (BDCP) which developed a habitat conservation plan as well as a series of conveyance alternatives.	✓		
	Water Board Order WR 2006-006 required DWR and Reclamation to meet water quality objectives for salinity in the southern Delta.			✓
	Revised Bay-Delta Plan adopted by the Water Board.			✓
	Delta Vision created to “develop a durable vision for sustainable management of the Delta.”			✓
2008	CVP and SWP Operations Criteria and Plan Biological Assessment Released by Reclamation.			✓
2008	Biological Opinion from the United States Department of Fish and Wildlife on Long-Term Operations of the CVP and the SWP concluded that operations jeopardize the continued existence of the delta smelt .	✓		✓

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	Senate Bill X2 1 (Water Code 83002) passed and provided funding to DWR to identify potential options for the reoperation of the state's flood protection and water supply systems that will optimize the use of existing facilities and groundwater storage capacity.		✓	✓
2009	Biological Opinion from National Oceanic and Atmospheric Administration (NOAA) on Long-Term Operations of the CVP and the SWP concluded that operations jeopardize the continued existence of several endangered species.	✓		✓
	Delta Reform Act passed; Section 85304 called for "The Delta Plan shall promote options for new and improved infrastructure relating to the water conveyance in the Delta, storage systems, and for the operation of both to achieve the coequal goals."	✓	✓	✓
2010	Delta smelt listed as endangered under the ESA.			✓
	The first administrative draft of the BDCP released to the public for review (second draft released in 2012).	✓		✓
	DWR tracked, coordinated, and expanded feasibility studies on the CALFED storage projects through their Surface Storage Program.	✓		
2013	Delta Plan adopted by Delta Stewardship Council (Council).	✓	✓	✓
	BDCP was modified once again to address comments regarding balance costs, engineering design, and ease of construction while reducing local dislocation and disturbance in the Delta.	✓		✓
	DWR released the BDCP Draft Environmental Impact Report/Environmental Impact Statement for public review.	✓		✓
	Delta Independent Science Board (Delta ISB) released review of BDCP Draft Environmental Impact Report/Environmental Impact Statement and found that the presentation made it difficult to compare alternatives and evaluate the critical underlying assumptions.	✓		✓
2014	<i>Recovery Plan for Sacramento River winter-run Chinook salmon, Central Valley spring-run Chinook salmon, and Central Valley steelhead</i> published by NOAA.			✓
	Council Chairman Randy Fiorini authored an issue paper, <i>Smaller May Be Better at Getting Storage Projects off the Ground</i> , which included recommendations for storage.		✓	
	California voters approved the passage of Proposition 1 provided \$2.7 billion dollars for new water storage projects.		✓	

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2015	Administration indicated that the state will forgo the BDCP and work on two separate plans to address conveyance improvements through the California WaterFix and provide near-term habitat restoration through the California EcoRestore.	✓		✓
	BDCP Partially Recirculated Draft Environmental Impact Report/Supplemental Environmental Impact Statement released and reviewed by Delta ISB.	✓		✓
	Council adopted the <i>19 Principles for Water Conveyance in the Delta, Storage Systems, and for the Operation of Both to Achieve the Coequal Goals</i> .	✓	✓	✓
	BDCP/California WaterFix Final Environmental Impact Report/Environmental Impact Statement released by DWR and Reclamation.	✓		✓
	Re-initiation of consultation on the Coordinated Long Term Operations of the CVP and the SWP.			✓
	California Water Commission developed the Water Storage Investment Program.		✓	
2016	Delta Smelt Resiliency Strategy published by the California Natural Resources Agency.			✓
2017	Council discussed the Discussion Draft Delta Plan Amendment for Water Conveyance, System Storage, and the Operation of Both.	✓	✓	✓